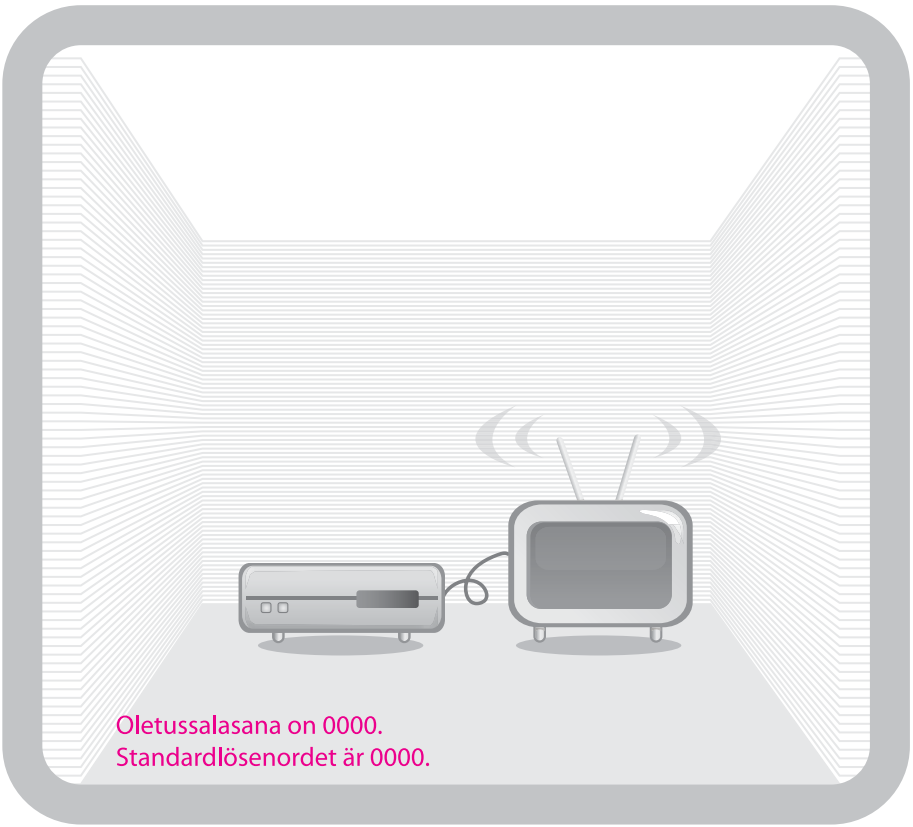
Digitaalinen kaapelivastaanotin
Digital-tv-box



Käyttöopas/ Användarhandbok

CX-FOX CII

HUMAX
EASY DIGITAL

Notice



Thank you for purchasing a HUMAX product. Please read this user's manual carefully to be able to safely install, use and maintain the product at maximum performance. Keep this user's manual next to your product for future reference. The information in this user's manual is subject to change without notice.

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The warranty does not cover parts which may become defective due to misuse of the information contained in this manual.

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Warnings, Cautions and Notes

Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations.

- **Warning**
 Indicates a hazardous situation which could result in serious injury.
- **Caution**
 Indicates a situation which could damage the equipment or other apparatus.
- **Note**
 Indicates additional information to make the user aware of possible problems and information of any importance to help understand, use and maintain the installation.

Notice

Meaning of Symbols



To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates dangerous voltage inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

Instruction about the 'WEEE' Symbol



This product should not be disposed with other household wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health from uncontrolled waste disposal.

- **Domestic users**
 Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.
- **Business users**
 Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Safety Warning



This product has been manufactured to comply with international safety standards. Please read the following safety precautions carefully.

Safety Instructions and Precautions

1. **MAINS SUPPLY**
 90-250V a.c., 50/60Hz
 - Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.
 - Disconnect the product from the mains before you start any maintenance or installation procedures.

2. **OVERLOADING**
 - Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

3. **LIQUID**
 - The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid should be placed on the apparatus.

4. **CLEANING**
 - Disconnect the product from the wall outlet before cleaning.
 - Use a light damp cloth (no solvents) to dust the product.

5. **VENTILATION**
 - The slots on top of the product must be left uncovered to allow proper airflow into the unit.
 - Do not stand the product on soft furnishings or carpets.
 - Do not stack electronic equipments on top of the product.

6. **ATTACHMENTS**
 - Do not use any unsupported attachments as these may be hazardous or cause damage to the product.

7. **CONNECTION TO THE CABLE TV SIGNAL**
 - Connect all components before plugging any power cords into the wall outlet. Always turn off the product, TV and other components before you connect or disconnect any cables.

8. **CONNECTION TO THE TV**
 - Disconnect the product from the mains before connecting or disconnecting the cable from the TV.
 - Failure to do so can damage the TV.

9. **LOCATION**
 - Place the product indoors to avoid exposing it to lightning, rain or sun.
 - Do not place it near a radiator or heat register.
 - Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as a TV or a VCR.
 - Do not block the openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.
 - If you place the product on a rack or a bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
 - Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall.
 - A falling product can cause serious injury to a child or adult, and serious damage to the appliance.

Safety Warning



10. LIGHTNING, STORM or NOT IN USE

- Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time.This will prevent damage to the unit due to lightning and power-surges.

11. EXTRANEOUS OBJECTS

- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

12. REPLACEMENT of PARTS

- When replacement of parts is required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part.Unauthorized substitution may result in additional damage to the unit.

Warning

1. To avoid damage of the power cord or plug;

- Do not modify or process the power cord or plug arbitrarily.
- Do not bend or twist the power cord.-Make sure to disconnect the power cord holding the plug.
- Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
- The mains plug, as a disconnection device, shall remain readily accessible by the user.

2. To avoid electrical shock;

- Do not open the main body.
- Do not insert metal or inflammable objects inside the product.
- Do not touch the power plug with wet hands.
- Disconnect the power cord in case of lightning.

3. To avoid damage of product;

- Do not use the product when it is out of order.If you continue to use the product when defective, serious damage can be caused to it.Make sure to contact your local product distributor if the product is out of order.
- Do not insert metal or alien substance into the slots for the modules or Smartcards. It may cause damage to the product and reduce its life span.

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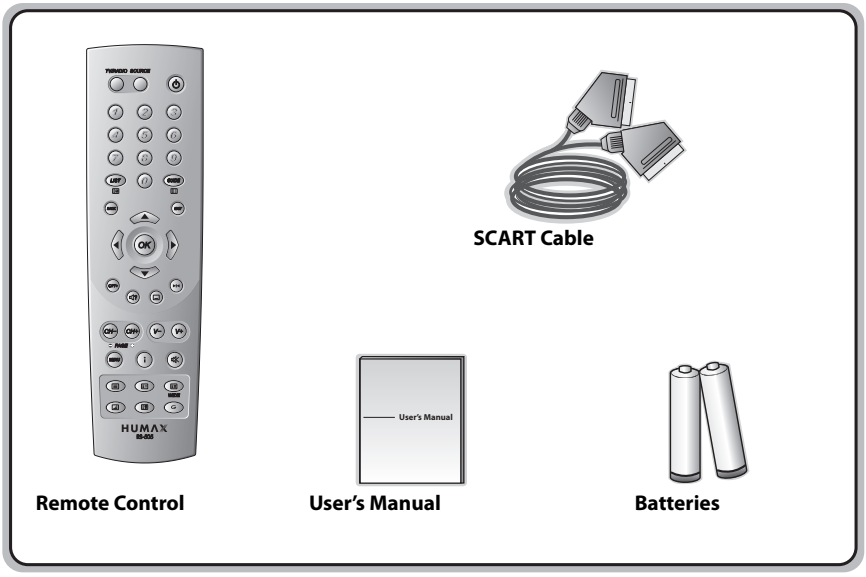
1. Before Using the Product



This chapter provides detailed instructions on the product and its accessories.

1.1 Package Contents

Please check all package contents before using your product.

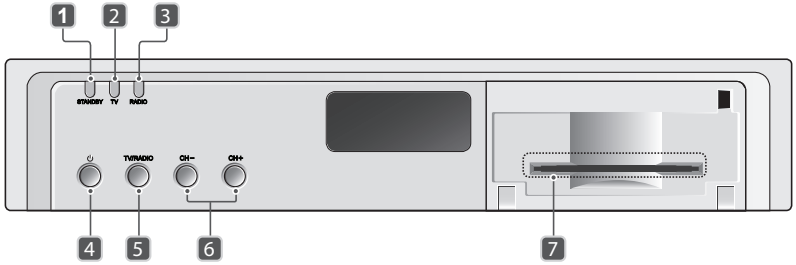


Note:

- Faults may occur if the remote control is left without a battery for a long time. Always keep the battery inserted in the remote control.
- Package contents may vary according to area.

1. Before Using the Product

1.2 Front Panel



1. **STANDBY LED**
 Red light is emitted when the product is in standby mode.
2. **TV LED**
 Green light is emitted when the product is in TV mode.
3. **RADIO LED**
 Amber light is emitted when the product is in radio mode.
4. **STANDBY BUTTON**
 Switches between operation and standby modes.
5. **TV/RADIO BUTTON**
 Switches between TV and radio..
6. **CH-/CH+ BUTTON**
 Moves the TV/radio channel up or down.
7. **SMARTCARD SLOT**
 A slot for a Smartcard

Note: The front of the product is subject to change without notice.

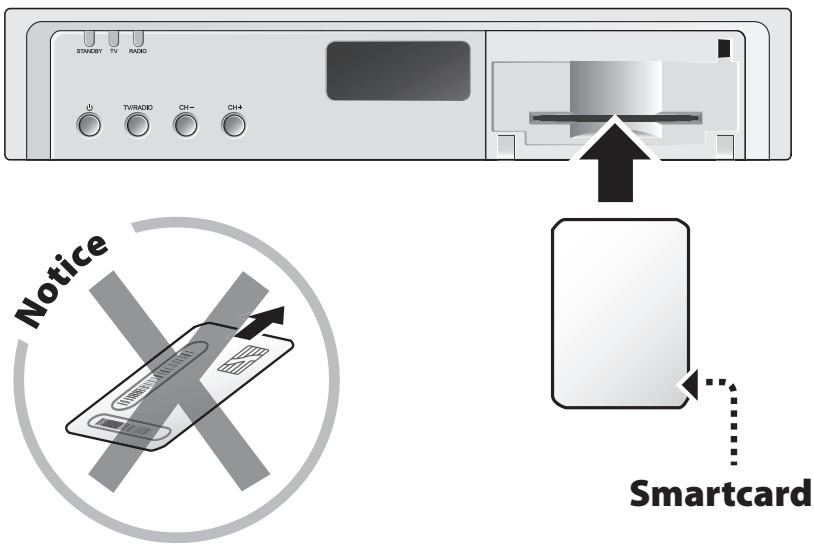
1.3 Conditional Access

Although some TV and radio channels are free to air, most TV and radio/music channels are available on a subscription basis and can only be enjoyed via a Conditional Access component. The Conditional Access component is a removable Smartcard.

1. Inserting the Smartcard

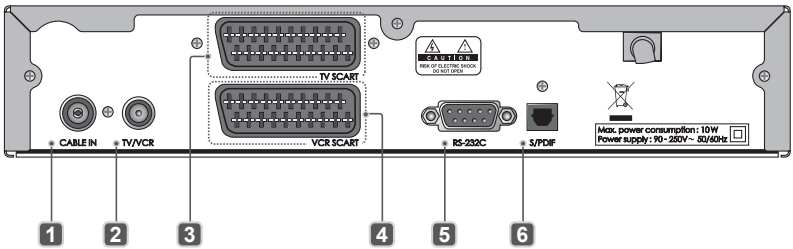
The Smartcard looks similar to a credit card and is inserted into the slot behind the right-hand front flap of the product. A valid Smartcard entitles you to view and listen to all the channels you choose to subscribe to. The Smartcard slot on the product can be used for CONAX Smartcard only.

1. Open the right-hand flap on the front panel of the product.
2. Hold the Smartcard horizontally with the electronic chip (small square-shaped, gold in colour) facing downwards.
3. Insert the Smartcard into the slot.



1. Before Using the Product

1.4 Rear Panel

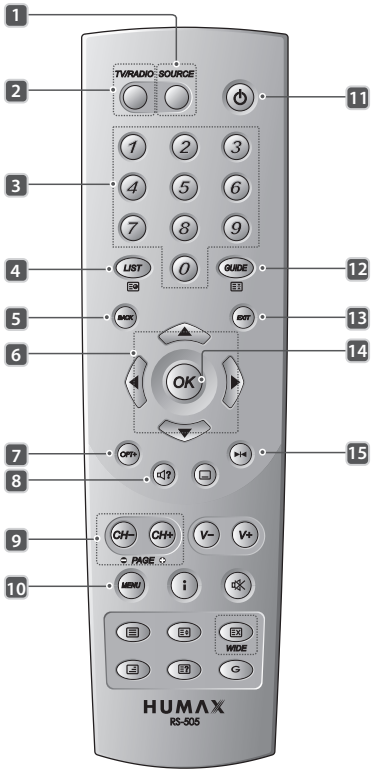


1. **CABLE IN**
 Connects a cable to the cable input jack of the product.
2. **TV/VCR**
 Connects a RF signal from the product to the RF (ANT) input jack of your TV/VCR.
3. **TV SCART**
 Connects to the TV set using a TV SCART cable.
4. **VCR SCART**
 Connects to the VCR/DVD using a VCR SCART cable.
5. **RS-232C**
 Connects to the PC to update software.
6. **S/PDIF**
 Outputs the digital audio signals.

Note: The rear of the product is subject to change without notice.

1. Before Using the Product

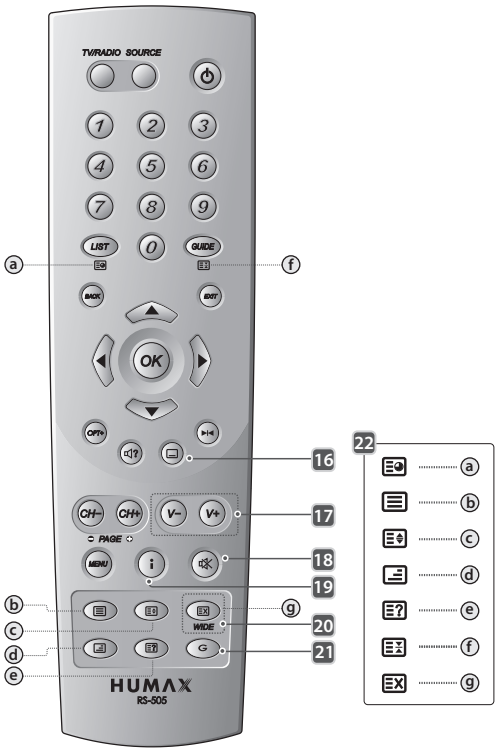
1.5 Remote Control



Note: The remote control of the product is subject to change without notice.

1. **SOURCE**
 Controls the input of TV.
2. **TV/RADIO**
 Switches between TV and radio modes.
3. **NUMERIC(0-9) BUTTONS**
 Enters a TV/radio channel number or menu option number.
4. **LIST**
 Displays the channel list.
5. **BACK**
 Closes and returns to the previous menu and screen.
6. **ARROW BUTTONS**
 Changes the channel or moves the cursor up, down, left or right.
7. **OPT+ (OPTION)**
 Displays the channel attributes while watching a programme.
8. **AUDIO**
 Displays the audio list.
9. **CH-/CH+ or PAGE-/PAGE+**
 Changes the channel or page.
10. **MENU**
 Displays the main menu.
11. **STANDBY**
 Switches between operation and standby modes.
12. **GUIDE**
 Displays the programme guide.
13. **EXIT**
 Exits all On-Screen Display (OSD) screens.
14. **OK**
 Selects a menu or confirms the selected operation. Also displays the channel list while watching a programme.
15. **FREEZE**
 Freezes the TV screen you are watching. Does not cease audio.

1. Before Using the Product



16. SUBTITLE
Displays the subtitle language list.

17. V-/V+
Adjusts the audio volume.

18. MUTE
Mutes or unmutes the audio temporarily.

19. i (INFORMATION/INDEX)
Displays the channel and programme information. Moves to the index page in teletext mode.

20. WIDE
Changes the display format.

21. G (Game)
Displays games.

22. TELETEXT

a. SUB-PAGE
Searches the sub-page in the teletext mode.

b. TELETEXT ON/OFF
Switches between teletext and TV modes.

c. DOUBLE
Displays the text size as double size.

d. MIX
Adjusts transparency of teletext screen.

e. REVEAL
Displays the concealed information.

f. HOLD
Holds the current page not updating it.

g. CANCEL
Hides the teletext leaving only the page number.

2. Setup

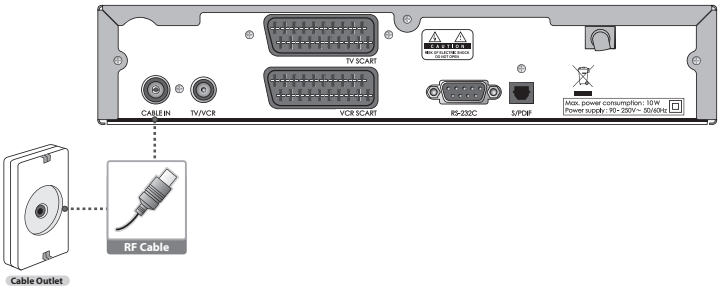


This chapter describes how to connect the product to the TV with the particular equipments for gaining optimum signal quality. The product provides various interfaces to connect to the TV, VCR or other devices. Select the most appropriate procedure depending on the equipment you have.

Note: If you encounter any problems setting up your product, please contact your local product distributor.

2.1 Connecting the Cable

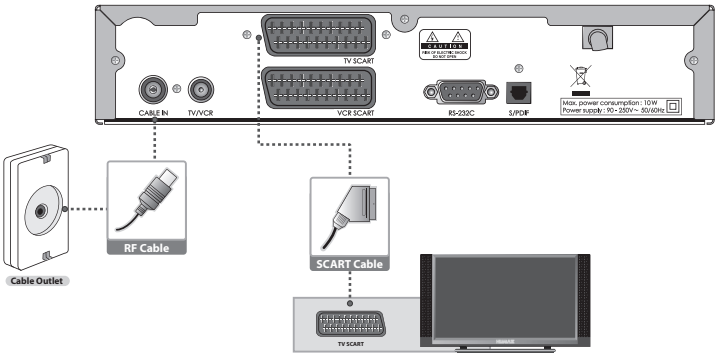
Connect your CATV line to the CABLE IN.



2.2 Connecting the TV

1. Using the SCART Cable

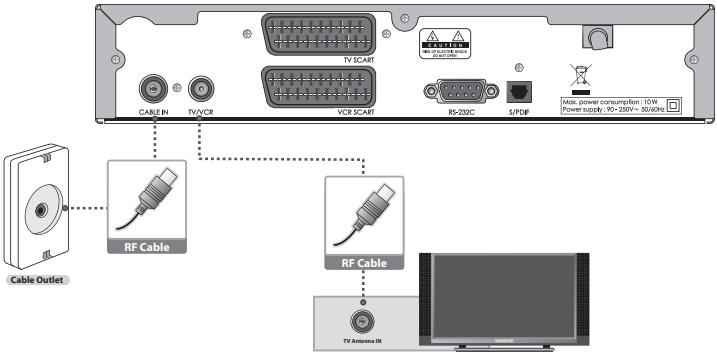
Connect the product and the TV using the SCART cable.





2. Using the RF Cable

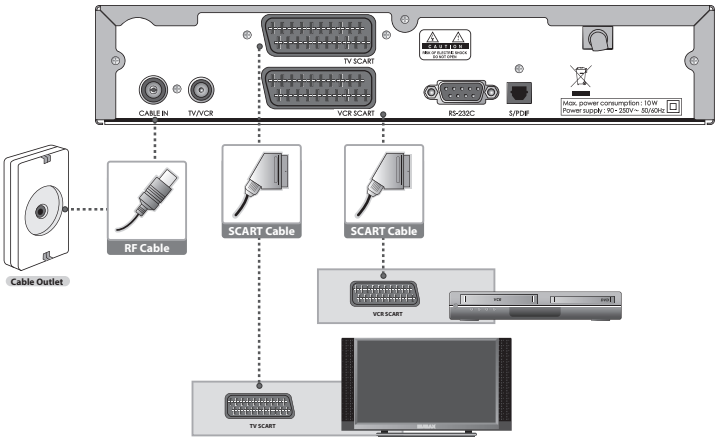
Connect the product and the TV using the RF cable.



2.3 Connecting the TV and VCR

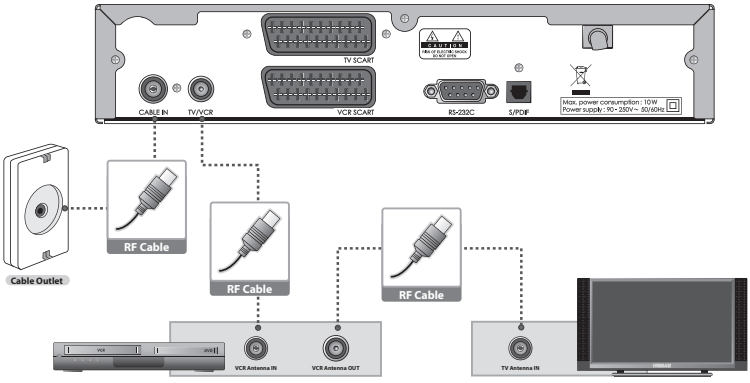
1. Using the SCART Cable

Connect the product and the TV/VCR using the SCART cable.



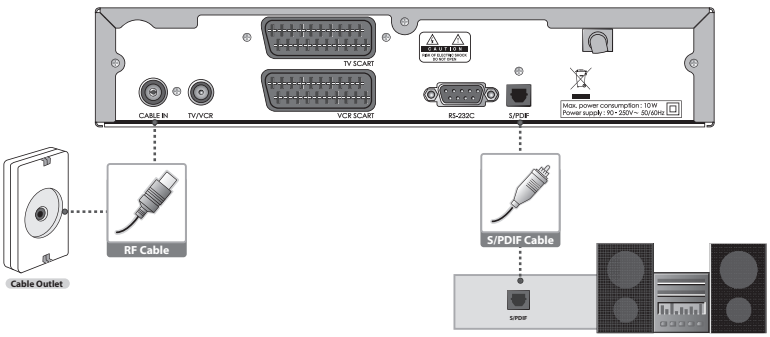
2. Using the RF Cable

1. Connect the TV/VCR (Loop out) output and the aerial input of the VCR using the RF (coaxial) cable.
2. Connect the aerial output (RF Out) of the VCR and the aerial input of the TV using the RF (coaxial) cable.



2.4 Connecting the Audio System

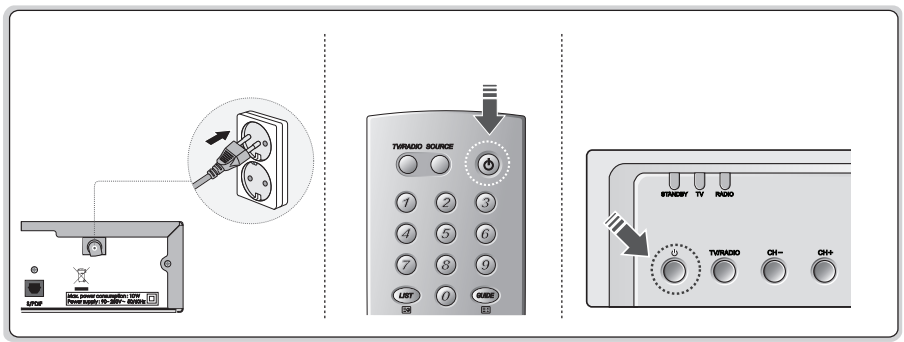
Connect the optical S/PDIF terminal and Dolby Digital decoder for higher quality sound.



2. Setup

2.5 Powering On

1. Connect the power cord of the product to a wall outlet.
2. Power on by pressing the **STANDBY** button of the remote control or the **STANDBY** button at the front of the product.



3. Installation Wizard

When powering on the product for the first time after purchasing, the installation wizard will operate automatically.

You can easily set-up using simple organisation and options and watch the broadcasting after completing the set-up procedure. You can select items using the **NUMERIC(0-9)** buttons.

Note:

- If you press the **BACK** button or select Back and press the **OK** button while running the installation wizard, you can return to the previous screen.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

3.1 Language

Select the appropriate language from the list using the ▲/▼ button and press the **OK** button to save the selected language as a default language for menu, subtitle and audio.



3.2 Area Setting

You can select country.

Select the appropriate country from the list using the ▲/▼ button and press the **OK** button. Select **Next** and press the **OK** button to go to the next step.



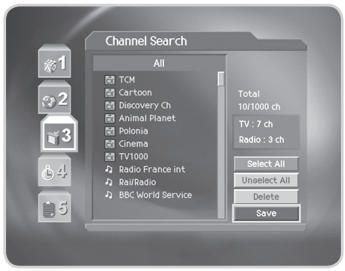
3. Installation Wizard

3.3 Channel Search

You can search channels automatically or manually. If you select manual search, you have to set parameters for search.



- **Search Type:** Select ***Auto*** or ***Manual***. If ***Manual*** is selected, the following options will be activated.
- **Frequency:** Select frequency value using the ▲/▼ button and press the **OK** button. If you wish to set the frequency value, select ***User Define***, and enter the value using the **NUMERIC(0-9)** buttons.
- **Symbol Rate:** Select the symbol rate using the ▲/▼ button and press the **OK** or ▶ button. If the required value is not listed, then select ***User Define*** and enter the value using the **NUMERIC(0-9)** buttons.
- **Network Search:** When using the network search, select ***Enable***. When entering the Network ID, select User Define. You can also disable the network search by selecting ***Disable***.



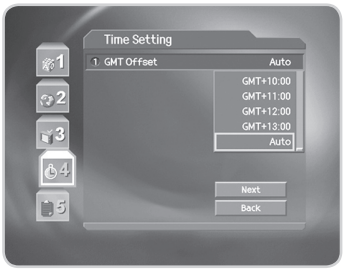
Select ***Next*** and press the **OK** button to start channel search. Please wait for finishing the channel search. If you want to stop the operation during search, press the **OK** button.

If the channel search is stopped or finished, you can edit the found channels.

- **Select All:** Select all the found channels.
- **Unselect All**: Unselect all the found channels.
- **Delete:** Delete the selected channels.

Select ***Save*** and press the **OK** button to save the result and go to the next step.

3.4 Time Setting



You can set the current time.

Press the **OK** or ▶ button to display GMT list. Select the appropriate GMT offset value using the ▲/▼ button and press the **OK** button to set the current time.

Note: If GMT offset is ***Auto***, it is automatically set depending on your country. However, if the time is not set properly, you can change GMT offset to fit your local time.

Select ***Next*** using the ▲/▼ button and press the **OK** button to go to the next step.

3.5 Result



It displays the default language, country, time offset and channel search result.

Select ***Finish*** using the ▲/▼ button and press the **OK** button to complete the installation wizard.

Warning: Press the **BACK** button to save the previous input information and exit the installation wizard when running the installation wizard. If you exit the install wizard without fully completing the setting procedures, you may not be able to watch any broadcasting normally. In this case, you can use the ***MENU-Installation*** to configure your product as you like.

4. Basic Operation

This chapter describes functions such as switching channel, volume control and basic features for watching programmes.

4.1 Switching Channel

You can switch the current channel using one of the following methods.

1. Press the **CH-/CH+** or ▲/▼ button.
2. Enter the channel number using the **NUMERIC(0-9)** buttons to move to the channel directly.
3. Press the **TV/RADIO** button to switch between TV channel and radio channel.

Note: You can switch channel using the channel list or programme guide. For more information, please refer to ***Chapter 5. Channel List*** and ***6. Programme Guide***.

4.2 Volume Control

1. Press the **V-/V+** or ◄/► button to adjust the audio volume.
2. Press the **MUTE** button to stop the audio temporarily.

Note: The mute function will remain off after changing channels.

4.3 Subtitle

If the current programme provides subtitle information, you can select the language for the subtitle.

1. Press the **SUBTITLE** button.
2. Select a subtitle language using the ▲/▼ button and press the **OK** button. Then the subtitle will be displayed in the selected language at the bottom of the screen.
3. Select ***Off*** from the subtitle language list to hide subtitle from the screen.



Note:
- You can select a default subtitle language in ***MENU-Preferences-Language Setting-Subtitle Language***.
- You can use the hard of hearing subtitle if supplied by the broadcaster.

4.4 Audio

If the current programme is available in multiple audio languages, you can select the language you prefer.

1. Press the **AUDIO** button.
2. Select an audio language you prefer using the ▲/▼ button to change audio immediately.
3. Select the audio direction (left, right, stereo) using the ◀/▶ button.

Note:

- You can select the default audio language in ***MENU-Preferences-Language Setting-Audio Language***.
- If the programme is broadcast in Dolby Digital, you cannot set the audio direction.
- If you select ***Dolby Digital*** in ***MENU-Preferences-Language Setting-Audio Priority***, the programme is automatically broadcasted in Dolby Digital audio regardless of default audio language.

4.5 Teletext

When the channel supports teletext, the teletext icon () is displayed on the i-plate. To enter the teletext mode, press the **TELETEXT ON/OFF** button or the **SUBTITLE** button to display teletext.

1. Using Teletext Menu

1. Press the **MENU** button to display teletext menu in teletext mode.
2. Select the required teletext function using the ◀/▶ button.
3. Press the **OK** button.



Teletext Functions

	Index	Returns to index page. If there is no index page, jump to page 100.
	Sub-page	Searches the sub-page using the sub-code written by users.
	MIX	Adjusts transparency of teletext screen.
	Cancel	Hides the teletext except page number.
	Rebeal	Displays the concealed information.
	Double Size	Displays the text size as double size.
	Page Hold	Holds the current page not updating it.

2. Viewing Teletext Page

1. Enter the page number using the **NUMERIC(0-9)** buttons to move to the page directly.
2. Press the ▲ button to move to the next page.
3. Press the ▼ button to move to the previous page.
4. Press the **CH-/CH+** button to move to previous/next page.
5. Press the **BACK** button to move back to the recently viewed pages.

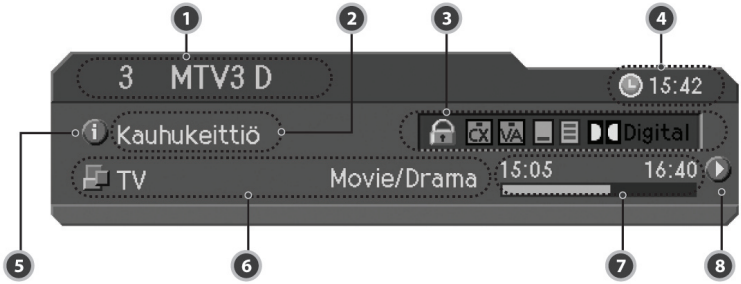


4.6 Programme Information (i-plate)

Programme information is displayed for a certain period of time whenever you switch channels. You can view the programme information by pressing the **i** button while watching a programme. Press the **EXIT** button to hide the i-plate.

1. General Information

The general information is displayed as follows on the screen.



❶ Channel number and channel name
❷ Programme name
❸ Icons

	Displayed only if this programme is reserved.
⑫	Represents parental control level. Indicates the minimum level of ages for viewing the programme.

	Displayed only when the channel is a locked channel.
	Displayed only when the channel is a scrambled channel.
	Displayed only when subtitle information is available.
	Displayed only when there is any teletext information.
DD Digital	Displayed only when Dolby Digital is in use.

❹ Current time
❺ Detail programme information: Displayed if detailed programme information is provided.
❻ Current channel list and programme genre
❼ Programme broadcasting time and progress bar: Displays programme playing time and progress bar.
❽ Next programme information: Displayed if next programme information is provided. Press the ▶ button to display the next programme information.

Note: If there is no programme information available, programme information is not displayed.

2. Detailed Programme Information

You can see detailed information about the current programme. Press the **i** button when the i-plate is displayed to view detailed information.

Note:
- Press the **i** button again to hide the information box.
- If the detailed programme information is more than one page, use the ▲/▼ button to move to the previous/next page.



4.7 Option List

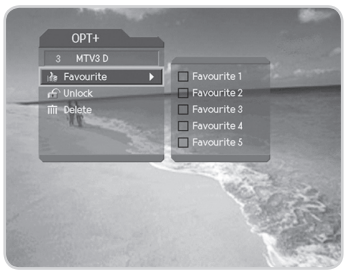
You can view and confirm detailed information about the current channel and change the information if necessary.

1. Adding a Channel to Favourite Group

You can add current channels to favourite group immediately. Also, you can add a channel to multiple favourite groups.

1. Press the **OPT+** button.
2. Select ***Favourite*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select favourite group using the ▲/▼ button and press the **OK** button to register for favourite group.
4. Press the **OK** button again on the selected favourite group to release the registered channel.
5. Move to the parent menu using the ◀ button to save the changes automatically.

Note: For detailed information about how to change favourite group's name and how to register all channels in favourite channel, refer to ***Chapter 5. Channel List***.





4. Basic Operation

2. Locking/Unlocking a Channel

You can lock or unlock the current channel while watching a programme.

1. Press the **OPT+** button.
2. Select ***Lock*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Lock*** option using the ▲/▼ button and press the **OK** button.
4. Select ***Unlock*** option using the ▲/▼ button and press the **OK** button.
5. You will be prompted to enter your password. Enter your password to unlock the channel.
6. Move to the parent menu using the ◀ button to save the changes automatically.





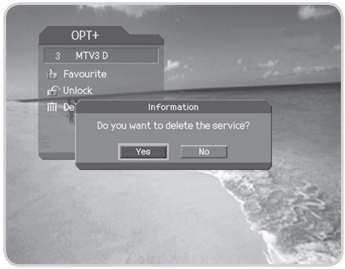
Note:

- When switching to the locked channel, you must enter the password to watch a programme.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

3. Deleting a Channel

You can delete the current channel while watching a programme.

1. Press the **OPT+** button.
2. Select ***Delete*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Yes*** in the confirmation message and press the **OK** button.
4. Enter the password using the **NUMERIC(0-9)** buttons to delete the current channel.





Note:

- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.
- The channel will be permanently deleted. If you would like to get it back, you should search channels again using the installation menu.

4.8 Game

This product provides various games for user's entertainment.

1. Press the **MENU** button.
2. Select **Games** using the ▲/▼ button and press the **OK** or ▶ button.
3. According to the instruction displayed on screen, you can enjoy the game using the ▲/▼/◀/▶ button and **OK** button.

Note: Press the **EXIT** or **BACK** button to exit the game. You can also enjoy the games by pressing the **GAME** button.



5. Channel List

Three types of channel lists are provided for easy and quick channel browsing.

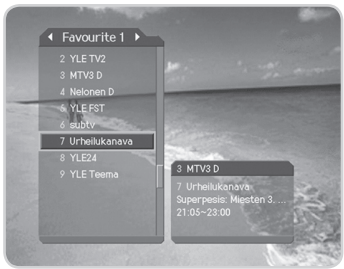
TV	The list of all TV channels with two sub-groups: one is sorted by channel number, the other is sorted by channel name.
Radio	The list of all radio channels with two sub-groups: one is sorted by channel number, the other is sorted by channel name.
Favourite	The list of favourite channels with five sub-groups that you can organise channels by your private taste.

5.1 Displaying and Switching Channel List

You can display channel list using the **LIST** or **OK** button and switch to another channel on the channel list.

1. Press the **LIST** button while watching a programme to display the channel list.
2. Select a channel using the ▲/▼ button and press the **OK** button to change the channel.
3. Enter the channel number directly using the **NUMERIC(0-9)** buttons to move the cursor to the channel you want. And then press the **OK** button to change to the selected channel.
4. Press the ◀/▶ button to change a channel list group while the channel list is displayed.





Note:

- If there are multiple channels, press the **PAGE-/PAGE+** button to move by page.
- Each time you press the **TV/RADIO** button while the channel list is displayed, the channel list will be switched between TV and radio channel list.
- To display scramble icon () in the channel list, select ***On*** in ***MENU-Preferences-Miscellaneous Settings-Option in CH List***.
- The sub-group of favourite channel list may exist or not depending on your configuration.
- If ***Within the current channel list*** option is selected in ***MENU-Edit channels-Channel Change Mode***, you can only change programme within the selected channel list using the **CH-/CH+** button while watching a programme.

5. Channel List

5.2 Edit Channel Lists

You can edit all channels or each channel by channel list group.



1. Press the **MENU** button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Edit Channel Lists*** using the ▲/▼ button and press the **OK** or ▶ button.
4. You will be prompted to enter your password. Enter your password using the **NUMERIC(0-9)** buttons.

Note:

- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.
- Press the **BACK** or ◀ button to save the changes and return to the previous menu. Press the MENU or **EXIT** button to exit the menu screen.
- You can easily navigate all menus using the assigned number for each menu. Press ***MENU-2-1*** in order to select ***Edit Channel Lists***.

1. Selecting a Channel Group

You can select the channel list group to edit. Both TV and radio are included in the channel list groups.



1. Press the **OK** or ▶ button in group.
2. Select the group using the ▲/▼ button and press the **OK** button.

Note:

- Press the **TV/RADIO** button to move to the TV or radio channel list directly.
- For editing favourite channel list, move to ***MENU-Edit Channels-Edit Favourite Channels***.

5. Channel List

2. Deleting Channels

You can delete one or more channels.

1. Move the cursor to the channel list using the ◀/▶ button.
2. Select a channel and then press the **OK** button. You can select multiple channels.
3. Select ***Delete*** using the ▶ button and press the **OK** button.



3. Locking/Unlocking Channels

You can lock or unlock one or more channels.

1. Move the cursor to the channel list using the ◀/▶ button.
2. Select a channel and then press the **OK** button. You can select multiple channels.
3. Select ***Lock*** using the ▶ button and press the **OK** button.



Note:

- When the locked channel(s) is selected or all channels are locked, Lock is switched to Unlock. When you select ***Unlock*** and press the **OK** button, locked channel is switched to an unlocked channel.
- Enter the password using the **NUMERIC(0-9)** buttons to watch locked channels.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

4. Selecting/Unselecting All Channels

You can select or unselect all channels at once.

1. Select ***Select All*** and press the **OK** button to select all channels.
2. Select ***Unselect All*** and press the **OK** button to unselect all the selected channels.

5. Channel List

5.3 Edit Favourite Channels

You can edit favourite channel or favourite channel list.

1. Press the **MENU** button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Edit Favourite Channels*** using the button and press the **OK** or ▶ button.
4. You will be prompted to select a ***Favourite Group***. Select a favourite group you want to edit using the ▲/▼ button and press the **OK** button.



Note:

- Press the **BACK** or ◀ button to save the changes and return to the previous menu. Press the **MENU** or **EXIT** button to exit the menu screen.
- You can easily navigate all menu items using the assigned number for each menu. Press the ***MENU-2-2*** in order to select ***Edit Favourite Channels***.

The buttons for editing favourite channel list are described in the following table.

	Add	Adds favourite channel.
	Remove	Removes from favourite channel.
	TV/Radio	Switches between TV and radio channel list.
	Fav.Group	Changes favourite channel list group.
	Move	Moves the order of channel list within favourite channel list.
	Rename	Renames the name of favourite channel list.
abc	**Sort**	Sorts channels by number or name in all TV/radio channel list.
	Unselect All	Unselects all the selected channel.

5. Channel List

5.4 Channel Change Mode



You can change the channel either in the group or in the entire groups while watching a programme.

1. Press the **MENU** button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Channel Change Mode*** using the ▲/▼ button and press the **OK** or ▶ button.
4. Select ***All Channels*** or ***Within the Current Channel List*** using the ▲/▼ button and press the **OK** button.

Note: When ***Within the current channel list*** is selected, you can only change the channel ***within the current channel list***. To change the channel in another channel list in which the current channel list is not located, change the channel list or select ***All channels*** option.

6. Programme Guide

The programme guide displays programme information about each channel, based on the date and time. You can also schedule your watching using the information given.

Note: Press the **GUIDE** or **EXIT** button to exit the guide screen.

6.1 Viewing Programme Guide Information

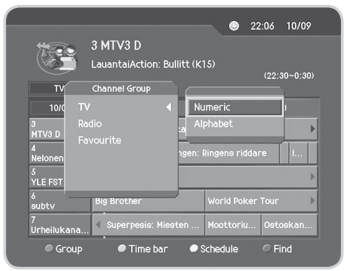
You can view programme information for all channels.



1. Press the **GUIDE** button.
2. Move to previous/next programme within the same channel using the ◀/▶ button.
3. Move to another channel using the ▲/▼ button. If there are multiple channels, use **PAGE-/PAGE+** button to move to channels by page. Also, you can enter channel number you want using the **NUMERIC(0-9)** buttons on the remote control to move to the channel directly.
4. Select a programme and press the **OK** button. You can watch the programme if it is on air or reserve it if it is the future programme.
5. Press the **i** button in the selected programme to view the detailed information for the selected channel.

1. Viewing Guide Information by Channel List Groups

You can view programme information of the selected channel list by groups.



1. Press the **GUIDE** button.
2. Press the **RED** button to display the channel list group.
3. Select a channel list group using the ▲/▼ button.
4. Move the cursor to the sub-group using the ▶ button, select a sub-group using the ▲/▼ button and then press the **OK** button.
5. The programme guide for the selected channel list is displayed.

6. Programme Guide

2. Viewing Programme Information Using Time Bar

You can quickly search the time zone you want using the time bar.



1. Press the **GUIDE** button.
2. Press the **GREEN** button to display the time bar.
3. Select the time bar using the ◀/▶ button and press the **OK** button to move the time bar. If you press the button repeatedly, the same operation is repeated.
4. Each button functions as follows.

Now	Moves to the current programme where the cursor is located.
◀	Moves back to the previous programme or 30 minutes before.
▶	Moves forwards to the next programme or 30 minutes ahead.
◀◀	Moves back to 2 hours before.
▶▶	Moves forwards to 2 hours ahead.
◀ **Day**	Moves back to one day before.
Day ▶	Moves forwards to one day ahead.

5. Select button and press the **OK** button to exit the time bar.

3. Reserving a Programme

You can make reservations for the future programmes you wish to watch automatically.



1. Select a programme and press the **OK** button. The following message will be displayed.
2. Select ***OK*** and press the **OK** button to reserve the programme. When a reservation has been completed, the () icon is displayed on the reserved programme.
3. Select ***Cancel*** and press the **OK** button not to reserve the programme.
4. If the channel is locked, parental controlled or restricted by watching time, you will be prompted to enter your password. Enter your password to complete the reservation.

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

6. Programme Guide

6.2 Finding a Programme

You can sufficiently find the programme you want by programme name or genre.

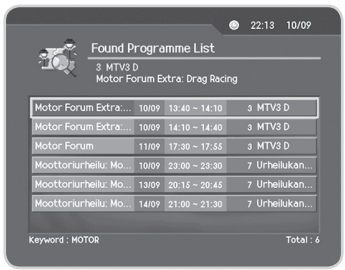
1. Press the **GUIDE** button.
2. Press the **BLUE** button.
3. Enter the programme name directly using the keyboard displayed on the screen.

Note: If you select ***Previous*** or ***Next*** on the keyboard displayed on the screen and press the **OK** button, the keyboard layout is switched.

4. When entering programme name is complete, select ***Find*** and press the **OK** button.
5. If you select a programme from the results, press the **OK** button to watch the programme if it is on air or reserve your programme if it is the future programme.
6. Select ***By Genre*** and press the **OK** button to search programme by genre.
7. Select the genre and press the **OK** button.
8. Select the programme you want from the results and press the **OK** button to watch the programme immediately or reserve the programme.
9. If you want to find another programme, press the **BLUE** button to display the keyboard screen.

Note: The results of the finding programme may differ depending on the provided programme information.







6. Programme Guide

6.3 Viewing Reserved Programme

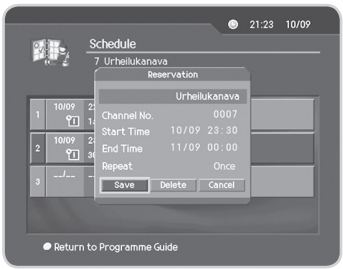
You can add or edit reserved programmes using the schedule screen.

1. Press the **GUIDE** button.
2. Press the **YELLOW** button.



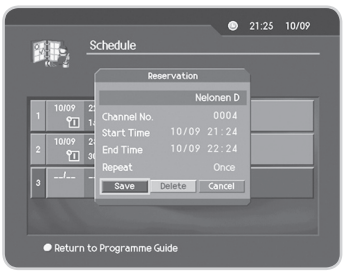
1. Editing a Reserved Programme

1. Select the scheduled programme and press the **OK** button to edit the reservation information.
2. Change ***Start Time/End Time*** using the ◀/▶ button and the **NUMERIC(0-9)** buttons.
3. Change ***Repeat*** mode using the ◀/▶ button. The options are ***Once, Daily*** and ***Weekly***.
4. Select ***Delete*** and press the **OK** button to delete the reserved programme.
5. Select ***Cancel*** and press the **OK** button to cancel the editing.
6. Select ***Save*** and press the **OK** button to complete.



2. Adding a Reservation

1. Select a blank space and press the **OK** button to add a new reservation schedule.
2. Enter ***Channel No***. using the **NUMERIC(0-9)** buttons. The channel name is automatically displayed by channel number.
3. Enter ***Start Time/End Time*** using the ◀/▶ button and the **NUMERIC(0-9)** buttons.
4. Select one of ***Repeat*** mode options among ***Once, Daily*** and ***Weekly*** using the ◀/▶ button.
5. Select ***Save*** and press the **OK** button to complete.
6. Select ***Cancel*** and press the **OK** button to cancel the reservation.



Note:

- If the programme is overlapped with another programme, adjust the reservation appropriately.
- If the channel is locked, restricted by watching time, you will be prompted to enter your password to complete the reservation.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

7. Setting Preferences

You can set censorship, watching time and all other items suitable for your environment.

Note:
- Press the **BACK** or ◀ button to save the changes and return to the previous menu. Press the **MENU** or **EXIT** button to exit the menu screen.
- You can easily select any item from the menu using the **NUMERIC(0-9)** buttons.

7.1 Parental Control

You can set parental control for each programme and watching time. You can also change your password.

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Parental Control*** using the ▲/▼ button and press the **OK** or ▶ button.
4. When prompting message is displayed to request your password, enter the password using the **NUMERIC(0-9)** buttons. The default password is **0000**.



1. Censorship Classification

Censorship Classification allows you to block programmes according to the age level you have set.

1. Select ***Censorship Classification*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select the required age level using the ▲/▼ button and press the **OK** button.

Note:
- You have to enter the password to watch the programme which is blocked by the age level.
- Some broadcasting companies do not broadcast the censorship classification information.



2. Allow Time Control

You can block programmes according to the watching time for all the channels.

1. Select ***Allow Time Control*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** or ▶ button.

Enable	You can watch a programme only during the time specified by the allow time.
Disable	You can watch a programme whenever you want regardless of the allow time.

3. When you have selected ***Enable***, set ***Start Time/End Time*** using the **NUMERIC(0-9)** buttons and press the **OK** button.
4. If you wish to cancel the entered time, select ***Cancel*** and press the **OK** button.





Note:

- Once the setting has been completed, you can watch programme only during the time specified by the allow time. Otherwise you will need to enter the password to watch any programme during unspecified time.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

3. Change Password

You can change the existing password.

1. Select ***Change Password*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Enter ***New Password*** using the **NUMERIC(0-9)** buttons, select ***OK*** and press **OK** button.
3. Enter ***New Password*** again to confirm ***Verify Password*** and press the **OK** button.

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

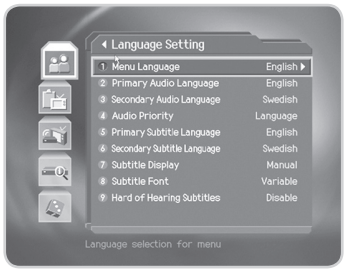


7. Setting Preferences

7.2 Language Setting

You can set the language for menu, audio and subtitle.

1. Press the **MENU** button.
2. Select **Preferences** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Language Setting*** using the ▲/▼ button and press the **OK** or ▶ button.



1. Menu Language

You can set the language for menu.

1. Select ***Menu Language*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select a language using the ▲/▼ button and press the **OK** button.

2. Primary Audio/Subtitle Language

You can set the primary language for audio and subtitle.

1. Select Primary ***Audio/Subtitle Language*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select the language using the ▲/▼ button and press the **OK** button.

3. Secondary Audio/Subtitle Language

You can set the secondary language for audio and subtitle.

1. Select ***Secondary Audio/Subtitle Language*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select the language using the ▲/▼ button and press the **OK** button.



4. Audio Priority

You can select the priority of audio.

1. Select ***Audio Priority*** using the ▲/▼ button.
2. Select from ***Language*** and ***Dolby Digital*** using the **OK** or ▶ button.

Language	You can watch programme in the selected language.
Dolby Digital	You can listen to sound in Dolby Digital mode. When Dolby Digital is selected, the audio language cannot be changed.

Note: You can choose the Dolby Digital audio stream whenever possible by selecting ***Dolby Digital*** in ***Audio Priority***.

5. Subtitle Display

You can select whether or not to display the subtitle automatically if provided.

1. Select ***Subtitle Display*** using the ▲/▼ button.
2. Select from ***Auto*** and ***Manual*** using the **OK** or ▶ button.

Auto	Subtitles are displayed automatically in the predefined subtitle language.
Manual	Subtitles are displayed in the language when you select the subtitle language by pressing the **SUBTITLE** button on the remote control.

6. Subtitle Font

You can select the subtitle font.

1. Select ***Subtitle Font*** using the ▲/▼ button.
2. Select from ***Variable*** and ***Fixed*** using the **OK** or ▶ button.

Variable	Uses the horizontally variable subtitle font.
Fixed	Uses the fixed subtitle font.

7. Hard of Hearing Subtitles

You can set whether or not to use the hard of hearing subtitles.

1. Select ***Hard of Hearing Subtitles*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select from ***Enable/Disable*** using the **OK** or ▶ button.

7. Setting Preferences

7.3 Time Setting

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Time Setting*** using the ▲/▼ button and press the **OK** or ▶ button.



1. GMT Offset

You can set the GMT offset for current time.

1. Select ***GMT Offset*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select your ***GMT offset*** using the ▲/▼ button and press the **OK** button. GMT is changed by from 30 minutes to 1 hour.

Note:
- The current time is set automatically whenever GMT offset changes.
- If GMT offset is Auto, it is automatically set depending on your country. However, if the time is not set properly, you can change GMT offset to fit your local time.



1. Power On

You can set the time when the product is automatically powered on.

1. Select ***Power On*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** or ▶ button.

Enable	Uses Power On and sets the Power On time.
Disable	Does not use Power On.

3. When you have selected ***Enable***, enter ***Channel No***. and ***Time*** using the **NUMERIC(0-9)** buttons and press the **OK** button.



2. Power Off

You can set the time when the product is automatically powered off.

1. Select ***Power Off*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** or ▶ button.

Enable	Uses Power Off and sets the Power Off time.
Disable	Does not use Power Off.

3. When you have selected ***Enable***, enter Time using the **NUMERIC(0-9)** buttons and press the **OK** button.

Note: Once Power On/Off is specified, it is repeated everyday.

7.4 Schedule

You can reserve a programme and watch it anytime you want.

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Schedule*** using the ▲/▼ button and press the **OK** or ▶ button.
4. Reserved programme list is displayed on the screen. To edit the existing reservation, select the reservation to edit and press the **OK** button. To add a new reservation, select a blank space and press the **OK** button.



Note: For detailed information about ***Schedule***, refer to ***6.3 Viewing Reserved Programme***.

7. Setting Preferences

7.5 A/V Control

You can set the audio or video output control.

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***A/V Control*** using the ▲/▼ button and press the **OK** or ▶ button.



1. TV-SCART

You can set TV SCART output.

1. Select ***TV-SCART*** using the ▲/▼ button.
2. Select from ***CVBS, RGB*** and ***S-Video*** using the **OK** or ▶ button.

2. VCR-SCART

You can set ***VCR SCART*** output.

1. Select ***VCR-SCART*** using the ▲/▼ button.
2. Select from ***CVBS*** and ***S-Video*** using the **OK** or ▶ button.

3. Audio Output

You can set the audio output.

1. Select ***Audio Output*** using the ▲/▼ button.
2. Select from ***Stereo*** and ***Mono*** using the **OK** or ▶ button.

4. Screen Ratio

You can set the aspect ratio of your TV.

1. Select ***Screen Ratio*** using the ▲/▼ button.
2. Select from ***4:3*** and ***16:9*** using the **OK** or ▶ button.

5. Display Format

You can select the display format according to TV screen ratio.

1. Select ***Display Format*** using the ▲/▼ button and press the **OK** or ▶ button.
2. When choosing ***4:3*** as the screen ratio, select an option among ***Auto, Letter Box*** and ***Center Mode*** using the ▲/▼ button and press the **OK** button.
3. When choosing ***16:9*** as the screen ratio, select an option among ***Auto, Pillar Box*** and ***Full Mode*** using the ▲/▼ button and press the **OK** button.

7.6 Miscellaneous Settings

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Miscellaneous Settings*** using the ▲/▼ button and press the **OK** or ▶ button.



1. i-Plate Display Time

You can set the duration during the information box is to be displayed when you switch the channel.

1. Select ***i-Plate Display Time*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select an option between 1-20 seconds using the ▲/▼ button and press the **OK** button.

Note: When it is set to ***Disable***, the i-plate will not be displayed when you switch the channel.

2. OSD Transparency

You can set the transparency of On Screen Display (OSD).

1. Select ***OSD Transparency*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select an option among ***Disable, 25, 50*** and ***75*** using the ▲/▼ button and press the **OK** button.

Disable	Fully opaque screen
25, 50, 75	As the number is bigger, the screen is more transparent.



3. Option in CH List

You can set whether or not to display the scrambled icon in channel list.

1. Select ***Option in CH List*** using the ▲/▼ button.
2. Select ***On/Off*** using the **OK** or ▶ button.

On	Scramble icon is displayed in the channel list.
Off	Scramble icon disappears from the channel list.

8. Installation

8.1 Automatic Search

If the product is connected to the cable and TV, you can automatically search channels without entering any other information.

1. Press the **MENU** button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Automatic Search*** using the ▲/▼ button and press the **OK** or ▶ button.

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.



1. Search

Wait while the product searches for the channels, this may take a few minutes.

1. While operating search, the cursor is located at ***Stop***. Therefore, if you press the **OK** button during searching, the operation stops and only the channels found so far will be displayed.
2. If the search operation is successfully completed and the channel does not exist, press the **OK** button and try to reset the search operation again if necessary.
3. You can delete unnecessary channels from the searched channels. Select the channels to delete and press the **OK** button. Then select ***Delete*** and press the **OK** button. To delete all channels, select Select All to select all channels, select ***Delete*** and press the **OK** button.
4. When completing channel search and deleting unnecessary channels, select ***Save*** and press the **OK** button to save the changes.





8. Installation

8.2 Linear Search

You can search channels by setting the range of frequencies and other parameters.

1. Start/End Frequency

1. Select ***Start/End Frequency*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Enter the frequency using the **NUMERIC(0-9)** buttons.



2. Step

1. Select ***Step*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select an option among ***Auto, 250, 1000, 7000*** and ***8000*** using the ▲/▼ button and press the **OK** button. If you do not know the value, please select ***Auto***. If the required value does not exist, select ***User Define*** and enter the value directly.



3. Network Search

1. Select ***Network Search*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select an option among ***Disable, Enable*** and ***User Define*** using the ▲/▼ button and press the **OK** button.
3. When you select ***User Define*** to set the network manually, enter network value using the **NUMERIC(0-9)** buttons.



4. Append Symbol Rate

1. Select ***Append Symbol Rate*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select the symbol rate using the ▲/▼ button and press the **OK** button.
3. It will be displayed symbol rates that you selected. The product will search channels by all of symbol rates that you selected.



5. Search

You can complete the setting and start searching.

1. Select ***Search*** and press the **OK** button to start the linear search.
2. The next procedures are similar to those for the automatic search. Please refer to ***8.1 Automatic Search***.

8.3 Manual Search

If your product is connected to the cable and TV, you can search channels manually by searching parameters, if you know the MUX information. Select ***Manual Search*** using the button and press the **OK** or ▶ button.

1. Frequency

1. Select ***Frequency*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select frequency value using the ▲/▼ button and press the **OK** button.
3. When you select ***User Define*** to set frequency manually, enter frequency value using the **NUMERIC(0-9)** buttons.



8. Installation

2. Symbol Rate

1. Select ***Symbol Rate*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select the symbol rate value using the ▲/▼ button and press the **OK** button.
3. When you select ***User Define*** to set symbol rate manually, enter symbol rate value using the **NUMERIC(0-9)** buttons.



3. Network Search

1. Select ***Network Search*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select ***Enable/Disable*** using the **OK** or ▶ button.

Note: Enable allows you to use ***Network ID***.



4. Search

You can complete the setting and start searching.

1. Select ***Search*** and press the **OK** button to start manual search.
2. The next procedures are similar to those for the automatic search. Please refer to ***8.1 Automatic Search***.

8.4 Default Setting

Default Setting restores the product to the default settings.

Warning: Please note that once you perform the default setting, all data such as the channel list and user configured data are deleted.

1. Press the **MENU** button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select ***Default Setting*** using the ▲/▼ button, press the **OK** or ▶ button.
5. Select ***Yes*** and press the **OK** button to restore all setting to the factory default. Select ***No*** and press the **OK** or **BACK** button to return to the previous menu.
6. Confirm again to start loading default setting. Enter the password using the **NUMERIC(0-9)** buttons to perform restoring.
7. When completing the default setting, the installation wizard will run automatically. For detailed information about the installation wizard, refer to the ***Chapter 3. Installation Wizard***.

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.





9. Software Update

In order to maintain proper performance of the product, it is essential to have the most up-to-date software. Visit the Humax website to check the latest news and newly released software versions.

- http://www.humaxdigital.com.

It is recommended that you periodically check for the availability of software update.

9.1 OTA (Over the Air)

OTA, an abbreviation of Over–the-Air, is a standard for the transmission of software through a broadcast system. The manufacturers reserve the right to decide when and where an update is made available. The new software version is then downloaded via cable. The software update via cable will only occur under the following circumstances.

1. The equipment should have appropriate loader software.

Caution: Please note that if normal loader software is not equipped, the product may not be updated or operate properly after software update.

2. The manufacturer transmits the software via cable. The new version of the software is generally detected automatically, but in case it is not, you should perform automatic or manual update.

Caution:
- Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, fatal damage may be caused to the product.
- Please be careful not to pull out the signal line (co-axial cable) during software update. Update may be interrupted and the product may not operate.

Note:
- Other functions will not activate while software update takes place.
- It may take 5~10 minutes to update software.
- Scheduling operation cannot work during software update.

1. If new software is found when powering on

1. A message will be displayed to notify that new software is found.
2. Select ***Yes*** and press the **OK** button to update the software.
3. Starts downloading new software. Please wait until the update is completed.
4 When completing the software update, the equipment is automatically powered off and on again.



9. Software Update

2. Automatic Update

You can set the product to find the software update site and update software automatically.

1. Press the **MENU** button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select ***Software Update*** using the ▲/▼ button and press the **OK** or ▶ button.
5. Select ***Automatic Update*** using the ▲/▼ button and press the **OK** or ▶ button.
6. Automatically search for new software. Select ***Stop*** and press the **OK** button to finish search.
7. When detecting update software, the following result is displayed. If new software is not found by ***Automatic Update***, use ***Manual Update***.
8. Select ***Yes*** and press the **OK** button to start updating. Select ***No*** and press the **OK** button to return to the previous menu without updating.
9. When completing the software update, the product is automatically powered off and on again.





9. Software Update

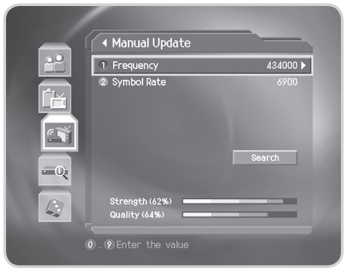
3. Manual Update

You can perform the manual update only if you know MUX information of software update correctly.

1. Press the **MENU** button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select ***Software Update*** using the ▲/▼ button and press the **OK** or button.
5. Select ***Manual Update*** using the ▲/▼ button and press the **OK** or ▶ button.
6. Set ***Frequency*** which provides update software.
7. Select ***Symbol Rate***. You can enter the specific value by selecting ***User Define***.



Note: Setting parameters in ***Manual Update*** is similar to setting parameters in the manual search. Refer to ***8.3 Manual Search***.



8. Select ***Search*** and press the **OK** button to search software.
9. It is displayed whether or not the new software exist. If new software does not exist, press the **OK** button to return to the manual update menu.
10. Select ***Yes*** and press the **OK** button to start updating. Select ***No*** and press the **OK** button to return to the previous menu.
11. Performs the software update. Please wait until it is completed.
12. When completing the software update, the product is automatically powered off and on again.

10. System Information

You can view all system information, signal strength and Smartcard information.

1. Press the **MENU** button.
2. Select ***System*** using the ▲/▼ button and press the **OK** or ▶ button.



10.1 Status

You can view the system information.

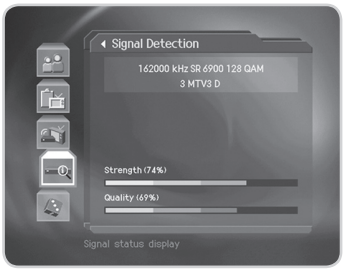
1. Select ***Status*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Confirm the information about ***Hardware version, Software version, Loader version, System ID, Update Date, Unique Address*** and ***Serial Number***.



10.2 Signal Detection

You can view the signal strength and signal quality.

1. Select ***Signal Detection*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Display information about the graphs and percentage of signal strength and quality of the channel.



10. System Information

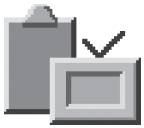


10.3 Conditional Access (for Conax embedded)

1. **Subscription Status:** This shows the authorised list of Conax channels in the Smartcard.
2. **Event Status:** This menu shows the channel ordered using PPV.
3. **Purse Balance:** This menu let you know the balances of the card's purse.
4. **Change CA PIN:** This lets you change the Smartcard PIN-Code.
5. **Maturity Rating:** This menu lets you set the level of authorization to watch the Conax scrambled channel. To watch the event beyond the set level, you should enter the Smartcard PIN-Code.
6. **Messages:** This menu lets you view the messages.
7. **About Conax CA:** It displays information about Conax CA-software version, interface version, card number, number of session, language and conditional access system identification.

Note: The supported funtitons vary depending on CAS version.

11. Menu Map

 **Preferences**	1. Parental Control 2. Language Setting 3. Time Setting 4. Schedule 5. A/V Control 6. Miscellaneous Settings
 **Edit Channels**	1. Edit Terrestrial Channel Lists 2. Edit Favourite Channels 3. Channels Change Mode
 **Installation**	1. Automatic Search 2. Linear Search 3. Manual Search 4. Software Update 5. Default Setting
 **System**	1. Status 2. Signal Detection 3. Conditional Access
 **Games**	

12. Trouble shooting



12.1 Trouble Shooting

Before contacting your local service centre, please read the tips below carefully. If the problem persists after completing the following procedure, please contact your local product distributor or service centre for further instructions.

1. **No message displayed on the front panel. (The product will not switch on.)**
 - Check the main power cable and make sure it is plugged into a suitable power outlet.
 - Check that the mains supply is switched on.
 - Check that the power switch is on at the rear of the product (where applicable).
 - Connect the power cable to a different power outlet.

2. **No picture on TV set**
 - Make sure that the product is power on and in operation mode (Press the **STANDBY** button).
 - Make sure that the AV cable is firmly connected to the TV.
 - Make sure that the cable is properly connected to the product.
 - Check that you search channels in the menu.
 - Check the brightness level of the TV.
 - Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.
 - Press the SOURCE button if the product is in external input mode.

3. **Poor picture & sound quality**
 - Make sure there is no mobile phone or microwave oven near the equipment.

4. **No or poor sound**
 - Check that your AV cable is connected correctly.
 - Check the volume levels of your TV set and the product.
 - Check if the product or TV is on mute.
 - Check audio type or soundtrack option in the AV menu.

5. **Remote control does not operate.**
 - To control the product, the top end of the remote control should point directly towards the receiving part of the product.
 - Remove and reinsert the batteries in the remote control.
 - Replace the batteries in the remote control for a new set.

6. **Cannot make reservations.**
 - Check that no previous reservations are conflicting with the new reservation.
 - Check that the product is switched on at the time of the reservation.

7. **Cannot watch scrambled channels.**
 - Check that you have the appropriate Smartcard. Reinsert the Smartcard and make sure it initializes correctly.
 - Check in the menu that the product is detecting the Smartcard.
 - Check in the menu that you have a valid and working subscription to the channels you wish to view.
 - Ensure that the Smartcard is not damaged.

8. **No password information is given.**
 - The default password is always **0000**.

12. Troubleshooting



9. Channel search does not work.
- Check that your cable is connected correctly.

10. Cannot update new software.
- You can get an update. If the product does not show a message requesting update, that means no software is available.

11. Cannot watch pay channels.
- Check in the menu that you have a valid and working subscription to the channels you wish to view.

12.2 Error Message

Error message	Possible causes	What to do
No or bad signal	The cable is not connected.	Make sure the cable is connected properly.
	The cable may be damaged or defective.	Exchange the cable.
	The channel is not broadcasting.	
The channel is scrambled or not available.	The channel has signal, but no video.	Confirm if the channel is currently on air.
	The channel is deleted by broadcasting company.	
	The channel is for data broadcasting.	
The audio is not available.	The channel has signal, but no Audio.	Press the AUDIO button to confirm if the channel has Audio.
No access	No subscription to this channel.	Make sure you subscribe to the channel.
	No authorization.	If the product has been turned off for a longer time (standby or power off), please wait for authorization, up to 60 minutes.
No card inserted.	Smartcard is not plugged in.	Plug in Smartcard.
Incorrect card	Wrong Smartcard is plugged in.	Plug in suitable Smartcard.
	Smartcard is not correctly plugged in.	Pull out the Smartcard, and plug it in again.
		Replace the Smartcard.

13. Specification



Tuner and Channel	
Input Connector	IEC 169-2 female
Frequency Range	47MHz to 862MHz
Input Impedance	75Ω
Demodulation	-13 to +15 dBmV
Mode	QAM
FEC Mode	1.5-7Ms/s
Guard Intervals	16-QAM, 32-QAM, 64-QAM, 128-QAM, 256-QAM
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile Level	MPEG2 MP@ML
Input Rate	15 Mbit/s Max
Aspect Ratio	4:3, 16:9
Video Resolution	720 x 576 / 720 x 480
Audio Decoding	MPEG/MusiCam Layer I and II
Audio Mode	Single channel/Dual channel/Joint Stereo/Stereo
Memory	
Flash Memory	2MB
Graphic (MPEG) DRAM	16MB
EEPROM	8MB
A/V & Data In/Out	
Video	SCART Video Output (CVBS, RGB)
Audio	SCART Volume and Mute Control (Resolution: 20 bits DAC, MAX, 2Vrms)
S/PDIF	Digital Audio Output, Fiber-Optic (Resolution: 20 bits)

13. Specification



Power Supply	
Input Voltage	90~250 a.c., 50/60Hz
Type	SMPS
Power Consumption	Max. 10 W
Standby Power	Max. 5 W
Protection	Separate internal fuse & lightning protection
Physical Specifications	
Size	260mm x 50mm x 182mm
Weight (Net)	1.2 Kg
Operating Temp	0°C to + 45°C
Storage Humidity	5% ~ 95% RH(Non-Condensing)

14. Glossary



- **EPG (Electronic Programme Guide)**
 An electronic equivalent to a printed television listings magazine; it is an application used with digital set-top boxes and digital television sets to list current and scheduled programs that are or will be available on each channel, including a short summary or commentary for each program. The information supplied in the EPG is sent and updated by the channel broadcaster.
- **Frequency**
 The property of a signal measured in cycles per second (=Hz).
- **OSD (On Screen Display)**
 OSD displays the basic information necessary for the users to configure monitor or TV settings. OSD information may include brightness, contrast, tuning, RGB adjustment, and screen size and position.
- **OTA (Over the Air) or OAD (Over Aerial Download)**
 A standard for the transmission of software for equipment, through a broadcast system. Manufacturers reserve the right for deciding the release of the software for their products.
- **SCART**
 A 21-pin connector standard to connect two pieces of Audio-Visual equipment such as a TV and a VCR. Each device will have a 21-pin female connection; a cable with male connection at both ends is used for connecting the devices.
- **S/PDIF (Sony/Philips Digital Interface format)**
 A standard format for the transfer of digital audio signals. It allows the transfer of digital audio between two devices without any conversion to and from analogue, which could degrade the signal quality.
- **Smartcard**
 A credit card sized card that contains updateable chip memory. It is used for accessing Pay TV (encrypted) channel or services when inserted into an appropriate receiver.

15. Service and Support



You can get information such as a troubleshooting guide, software upgrades and product support guide from the following web sites and call center (Hotline). Please try to contact to your local dealers first when facing a problem.

Deutschland	
Tel:	01805-778870 (€ 0,14/Min)
Öffnungszeiten:	Mo-So 8:00-23:00 Uhr
E-mail:	support@humax-digital.de
Website:	www.humax-digital.de
Sprache:	Deutsch/Englisch/Türkisch

UK	
Tel:	0870 247 8800
Opening Hours:	Mon-Fri 8:30-21:00
E-mail:	uksupport@humax-digital.co.uk
Website:	www.humax-digital.co.uk
Language:	English

Australia	
Tel:	1800 613 011
Opening Hours:	Mon- Fri 9:00-17:30
E-mail:	techinfoau@humaxdigital.com
Website:	www.humaxdigital.com/australia
Language:	English

Italia	
Tel:	899 100 080 (€1+ VAT/min)
Orario:	Lun.-Ven. 8:00-18:00
Lingua:	Italiano

Sverige	
Tfn:	+4655085527
Öppettider:	Mån-fre 08:00-16:30
Språk:	Svenska/engelska

15. Service and Support



Suomi	
Puh:	+358 9 56186 130
Aukioloajat:	ma-pe 8:00-16:00
Kieli:	suomi/englanti

Austria	
Tel:	0820 400675 (€0,14/min)
Opening Hours:	Mon-Sun 8:00-23:00
E-mail:	support@humax-digital.de
Website:	www.humax-digital.de
Language:	Deutsch/English/Turkish

Note: For hardware repair, please visit our website.

www.humaxdigital.com



RoHS/Manual/CXFOXCII/600FISV



20000-5990PT